

GENERAL NOTES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-056-1(54)	2010	3	48

1. The scope of work for this project includes roadway excavation, constructing new pavements, reconstructing weakened pavement areas; cold planing; resurfacing; adjusting utility boxes, and street survey monuments; adjusting and/or installing grated drop inlets, removing and installing pavement markings and traffic signs, milled rumble strip, dressing of shoulders and modifying existing traffic signal system.

2. The Contractor is reminded of the requirements of Subsection 105.16-Subcontracts.

3. The Contractor's attention is directed to the following Sections of the Special Provisions: Subsection 107.06 - Contractor Duty Regarding Public Convenience; Subsection 104.11 - Utilities and Services; Subsection 107.12 - Protection of Persons and Property; and Section 645 - Work Zone Traffic Control.

4. At the end of each day's work, the Contractor shall remove all equipment and other obstructions to permit free and safe passage of public traffic.

5. The existence and location of underground utilities, manholes, monuments and structures as shown on the plans are from the latest available data, but the accuracy is not guaranteed. The encountering of other obstacles during the course of work is possible. The Contractor shall tone for the exact locations and depths of all underground facilities, either shown on or omitted from the plans, in areas where work, such as the placement of sign posts, traffic signal conduits, etc. may affect these properties. Toning shall be considered incidental to the various contract items and will not be paid for separately. The Contractor shall be held liable for any damages incurred to the existing facilities and/or Improvements as a result of his operations.

6. Lane closures of existing highway lanes will only be allowed as follows:

Day Work:

Contractor shall maintain one lane of travel in each direction during the day. One lane only of the existing lanes may be closed between 10:00 am and 2:30 pm.

Night Work:

Closure of two lanes will be allowed at night. Night work will only be allowed in the months of January and February. Night work will be allowed as follows:

Sunday	10:00 P.M.	-	12:00 Midnight
Monday thru Thurs	12:00 Midnight	-	5:30 A.M.
	10:00 P.M.	-	12:00 Midnight
Friday (Morning)	12:00 Midnight	-	5:30 A.M.

The Contractor shall not do work on Friday nights and Saturdays or as specified by the Engineer. Sunday's work will be part of Monday's working day. Night work will not be allowed during the period from March to December.

7. During night work, only one lane of traffic shall be closed.

8. All lanes of traffic shall be kept open during daytime work. Daytime work shall be conducted between the hours of 8:30 a.m. and 3:30 p.m. only.

9. The Contractor shall notify the Engineer in writing, two (2) weeks prior to starting construction operations.

10. The Contractor shall obtain a Community Noise permit from the State Department of Health, Environmental Health Services; Telephone No. 241-3323. This shall be considered incidental to the various contract items and will not be paid for separately.

11. The Contractor shall indemnify and be solely responsible for the protection of adjacent properties, utilities and existing structures from damages due to construction. Repairing any damage shall be at the Contractor's own expense, to the satisfaction of the Engineer.

12. Existing drainage system will be functional at all times during construction. The Contractor shall furnish materials, equipment, labor, tools and incidentals necessary to maintain flow. This work shall be considered incidental to the various contract items and will not be paid for separately.

13. Smooth riding connections shall be constructed at all limits of project, including the beginning and end of project, connecting approaches, side streets, walkways and driveways as shown on the plans and/or as directed by the Engineer. This work shall be considered incidental to Contract Item No. 402.1000 - Superpave Asphalt Concrete Pavement and will not be paid for separately.

14. The Contractor shall clean and remove any accumulation of aggregates along the roadside within 10 feet of the edge of pavement. This work shall be considered incidental to the various contract items and will not be paid for separately.

15. Removal and disposal of existing curb and gutter, curb, sidewalk and asphalt concrete pavement, curb, sidewalk and any debris shall be considered incidental to their respective bid items.

16. All saw cutting work shall be considered incidental to Contract Item No. 402.1000 - Superpave Asphalt Concrete Pavement and will not be paid for separately.

17. Prior to placement of new aggregate subbase course, the existing subbase shall be compacted to a relative compaction greater than or equal to 95%.

18. The Contractor shall remove and dispose of all existing raised pavement markers and traffic tapes prior to the overlaying of Asphalt Concrete. This work shall be considered incidental to Superpave Asphalt Concrete Pavement and will not be paid for separately.

19. Trimming and dressing of shoulder shall consist of clearing, grubbing, grading, reshaping and compacting the unpaved shoulders with suitable material as shown on the plans and/or as directed by the Engineer. Suitable materials shall include materials from roadway excavation, including topsoil and base material therefrom, and if necessary, additional materials from borrow outside the limits of the right of way. Asphalt concrete removed from cold planing, reconstruction and roadway excavation shall not be used for dressing of shoulder. This work shall be considered incidental to Contract Item No. 641.1000-Hydro Mulch Seeding.

20. All saw cutting work and clean-up of slurry shall be considered incidental to Superpave Asphalt Concrete Pavement and will not be paid for separately.

21. Hydro-Mulch all cut and fill slopes. Hydro-Mulch all areas of shoulder that have been dressed.

22. The Contractor shall provide and maintain for access to and from all existing driveways, sidewalks and ADA access routes complying with ADAAG Section 4.3, and side streets and cross streets at all times. This work shall be considered incidental to the various contract items and will not be paid for separately.

23. The Contractor shall provide and maintain a temporary pedestrian-safe and easily accessible route or detour with arricades in or near the work zone. This temporary route or detour shall be paved at least an inch of Hot Mix Asphalt Pavement, Mix No V or steel and/or wood planks and shall be American With Disabilities Act (ADA) compliant. (This is only applicable if existing surface is dirt and/or if existing surface is non-ADA compliant). This work shall be incidental to various contract items and will not be paid for separately.

24. Install new Type II Object Marker on all utility poles or trees that are within the State Highway Right-of-Way and within 30 feet of the roadway edge of pavement as directed by the Engineer. Refer to Standard Plan TE-15.

25. No material and/or equipment shall be stockpiled or otherwise stored within the highway right-of-way except at locations designed in writing and approved by the Engineer. If use of location is approved by the engineer, the Contractor shall obtain a permit to use the property within the highway right-of-way from the Kauai District Office at telephone no. 241-3000.

26. The exact locations and limits or areas to be filled with leveling course, reconstructed, and cold planed shall be determined in the field by the Engineer.

27. All cold plane material is the property of the State and shall be transported to the Lihue Airport. Obtain required permits and all other documents required by the Lihue Airport. Contact Bernard Machado at the airport to coordinate delivery time and location; telephone number 651-6192. This work is incidental to Contract Item No. 415.1000 - Cold Planing.

28. Any work that disrupts, damages or destroys existing traffic loop detectors shall be followed with re-establishment of the traffic loops before reopening the lanes to traffic. The Contractor may use temporary pole mounted presence detectors to replace any loops taken out of service. The cost for temporary detector shall be considered incidental to pavement work.
- | | |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY | |
| DESIGNED BY | |
| CHECKED BY | |
| NOTED BY | |
| ORIGINAL PLAN | |
- JAMES E. TURTLICU

LICENSED PROFESSIONAL ENGINEER

No. 8189-C

HAWAII, U.S.A.

James E. Turtlicu

Signature

Prepared by me or under my direct supervision

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KUHIO HIGHWAY

Intersection Improvements

at Kapule Highway

Federal Aid Project No. HSIP-056-1(54)

Date: August 2010
- SHEET No. 1 OF 2 SHEETS
- 3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-056-1(54)	2010	4	48

GENERAL NOTES (con't.)

29. *Prior to resurfacing operations, the Contractor shall be responsible for locating, preserving and marking all utility & highway facilities that will require adjustments to the new finished pavement grade. Additionally, the Contractor shall submit to the Engineer a list of all items, including water, drainage, sewer, electrical, telephone and cable utilities to be adjusted to the new finished grade.*

30. Prior to commencing resurfacing operations, the Contractor shall contact the County of Kauai's Department of Water Operations Division (Phone No. 245-5444) and make arrangements for the Department of Water personnel to "tone" for, and mark locations of existing valve boxes, including ones that may have been inadvertently paved over on previous resurfacing projects. Approximate locations of valve boxes that are to be raised to the new finished grade are noted on the plans.

It shall be the Contractor's responsibility to offset and record locations of the valve boxes as marked by the Department of Water for purposes of adjusting the valve boxes to the new finished grades after completion of his resurfacing operations. The Contractor shall preserve all offset stakes marking the locations of the valve boxes. If offset stakes are damaged or lost, it shall be the Contractor's sole responsibility to survey and re-stake locations of the valve boxes.

Payment for work involved in locating water valve boxes that have been inadvertently paved over on previous resurfacing projects shall not be paid for separately, but shall be considered incidental to the various contract items.

31. After completion of resurfacing, the Contractor and the Engineer will test for, and determine ponding areas (i.e. low spots within the resurfaced area). It shall be the responsibility of the Contractor to correct and resurface and/or repair all such ponding areas.
32. Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monument is less than three (3) feet from the edge of construction, the Contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument.


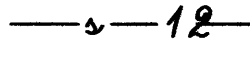

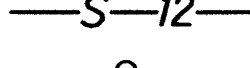
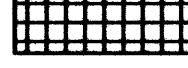
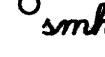
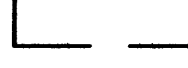

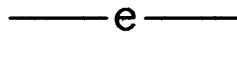

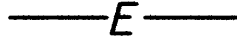
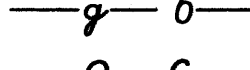

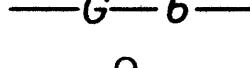








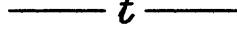

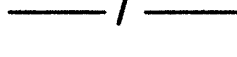








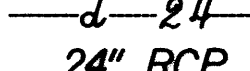
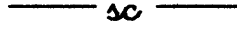
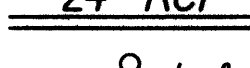

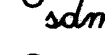


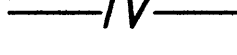

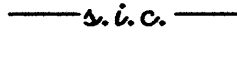

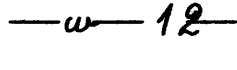
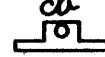
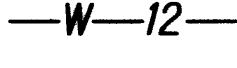
















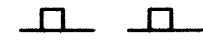

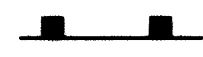






32. Contractor shall exercise extreme caution to preserve BENCHMARKS (Survey Monuments). Whenever the center of a Survey Monument is less than three (3) feet from the edge of construction, the Contractor shall retain a Licensed Land Surveyor to reference the location of said Survey Monument.

Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the new benchmark shall be sent to the Department of Transportation, Highways Division, Cadastral Engineering Section, for review and approval prior to construction.

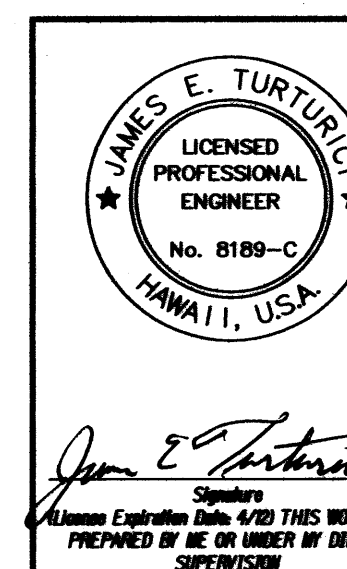
33. *The Contractor shall be responsible for preserving and recording the locations of all existing street survey monuments. This work shall be considered incidental to Item No. 614.0120 - Adjusting Street Survey Monument.*

34. Any work specified in the contract but not listed separately in the proposal schedule shall be considered incidental to the various contract items and shall not be paid for separately.

LEGEND

	Cold Planting Areas		Existing Sewer Line
	Leveling Areas		New 12" Sewer Line
	Reconstruction Areas		Existing Sewer Manhole
	Resurfacing Limits		Adjusted Sewer MH Frame/Cover
	Existing Electrical Line		New Sewer Manhole
	New Electrical Line		Existing 6" Gas Line
	Existing Joint Pole		New 6" Gas Line
	Existing Power Pole		Existing Gas Valve Box
	Existing Electric Manhole		Adjusted Gas Valve Box
	Adjusted Elec. MH Frame/Cover		New Gas Valve Box
	New Electric Manhole		Existing Gas Manhole
	Existing Telephone Line		Adjusted Gas MH Frame/Cover
	New Telephone Line		New Gas Manhole
	Existing Telephone Pole		Existing Monument
	Existing Telephone Manhole		Adjusted Monument
	Adjusted Tele. MH Frame/Cover		New Monument
	New Telephone Manhole		Existing 24" Drain Line
	Existing Signal Corps Line		New 24 " RCP Drain Line
	New Signal Corps Line		Existing Storm Drain Manhole
	Existing TV Cable		Adjusted Storm Drain MH Frame/Cover
	New TV Cable		New Storm Drain Manhole
	Existing Sandwich Isles Communication Line		Existing Grated Drop Inlet
	Existing 12" Water Line		Existing Catch Basin
	New 12" Water Line		Existing Traffic Sign
	Existing Water Manhole		Existing Highway Lighting Standard
	Adjusted Water MH Frame/Cover		Existing Highway Lighting Pullbox
	New Water Manhole		Existing Traffic Signal Pole
	Existing Water Air Valve		New Traffic Signal Pole
	Adjusted Water Air Valve		Existing Traffic Signal Pullbox
	New Water Air Valve		Adjusted Traffic Signal Pullbox
	Existing Water Valve Box		New Traffic Signal Pullbox
	Adjusted Water Valve Box		Existing Metal Guardrail
	New Water Valve Box		New Metal Guardrail
	Existing Water Meter		Rumble Strips
	Adjusted Water Meter		
	New Water Meter		
	Existing Fire Hydrant		
	New Fire Hydrant		

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY <u>CAD</u> _____
No. <u>Revised</u> <u>4th</u>	DESIGNED BY <u>KODAK & ASSOCIATES</u> _____
	QUANTITIES BY <u>KODAK & ASSOCIATES</u> _____
	CHECKED BY <u>HW-K</u> _____



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GENERAL NOTES AND LEGEND

KUHIO HIGHWAY
Intersection Improvements
at Kapule Highway
Federal Aid Project No. HSIP-056-1(K54)
Date: August 2010